

CLAIMS:-

1. A brake caliper with at least one axially displaceable, hydraulically actuated piston, with which a brake pad can be pressed against a brake disc, the piston defining a cavity with at least one inlet opening for feeding a cooling medium into the cavity, the inlet opening being arranged in the piston spaced away from the brake pad, and at least one outlet opening arranged in the piston adjacent to the brake pad for discharging cooling medium from the cavity.
2. A brake caliper according to claim 1 in which a plurality of outlet openings are provided, each opening being arranged in the piston adjacent to the brake pad.
3. A brake caliper according to Claim 1, characterised in that devices for influencing the cooling medium flow are provided in the cavity of the piston (1).
4. A brake caliper according to Claim 1, characterised in that the piston (1) comprises two hollow, coaxial cylinders with different diameters (2, 4), where the friction lining (8) is located on a face end of the cylinder with the larger diameter (2).
5. A brake caliper according to Claim 4, characterised in that the face end of the cylinder with the larger diameter (2) spaced from the friction lining lies in the same plane as the face end of the cylinder with the smaller diameter (4) that disposed

towards the friction lining, where the two cavities of the cylinders form the cavity of the piston (1).

6. A brake caliper according to Claim 1, characterised in that the piston (1) comprises a hollow cylinder, where the friction lining (8) is located on one face end of the cylinder and a coaxial inlet opening (12), through which a flow-through device (13) extends, is provided in the other face end.

7. A brake caliper according to Claim 4 or 6, characterised in that the outlet openings (11) are located at regular intervals at the edge of the face end of the cylinder on which the friction lining (8) is located.

8. A brake caliper according to any preceding claim in which the cooling medium is air.

9. A brake caliper piston for use in a brake caliper for pressing a brake pad against a brake disc, the piston defining a cavity and having a first end, an inlet opening for feeding cooling medium into the cavity in or adjacent to the first end and a second end arranged to press against a brake pad and an outlet opening in or adjacent to the second end, the first end being spaced from the second end.

10. A brake caliper piston according to claim 9 in which a plurality of outlet openings are provided, each opening being arranged in or adjacent to the second end.

11. A brake pad for use in a brake caliper, the brake pad having a surface against which a piston of a caliper can be arranged to press, the surface having a cooling medium passageway formed therein arranged to receive cooling medium from the piston and to duct the medium away from the piston.